



**ENERGENiE®**  
your switch is my command 

clever energy saving products and portable chargers

## A unique range

Energenie's Portable Powerbank range offers a full range of chargers for all devices from phones to laptops. In the range is our ChargeGenie product, which is a unique and innovative universal microUSB charger. Please see page 4 for full and comprehensive details. We plan to continue to grow our range of patented and innovative chargers going forward. We currently have 3 more unique chargers in development.

Energenie also offers a full range of Energy Saving and Convenience plugs. Our Management products are ideal for use with computers, monitors, scanners and printers, audio visual systems and many other appliances. For instance, the Energenie Power Management System enables the user to programme the controlled sockets via a computer interface that can be switched off at certain times and under certain criteria.

Products in our Automatic Power Shutdown range learn the standby power level of an appliance and switch it off automatically when in standby. Our Rundown Timers provide peace of mind through a simple yet effective solution for switching off electrical appliances at variable timings including 5 minutes, 30 minutes or 1 hour of inactivity.

We will continue to develop Energy Saving and convenience products and have some very exciting products launching in Q1 and Q2 of next year.

## Pioneers in energy management

Energenie originally started with the aim to provide an easy way of cutting the amount of energy used in the homes, saving money on electricity bills, saving energy and reducing the risk of fires caused by electrical appliances. We have continued to hold on to this aim and have sold over 100,000 products in the UK that perform these tasks.

Without doubt, Britain's consumers have become increasingly aware of green issues in recent years. However, there are still those who associate environmentally-friendly with time consuming hassle: Energenie removes the excuses by making it easy and achievable to help the planet, be safer in your home and save money.

Energenie also wants to solve another issue: while travelling around on business one of our team became tired of continually looking for plug points and buying travel adapters, and hence decided to look at ways around this. This took Energenie into the Portable charging market and we believe with our ChargeGenie product and our 20000mAh laptop charger we solve many of the issues faced on that trip.

## Discover more

Recent additions to our highly popular product range of adapters and extension leads include a remote controlled Smart Radiator Valve, Remote GSM Controlled Power Socket and a range of high quality LED lighting solutions for commercial and domestic applications.

Energenie is recommended and certified by the Energy Saving Trust. All Energenie products are CE marked and comply with safety and other regulatory requirements according to the appropriate UK and European standards and directives.



ISO 9001 accredited



Energenie is a trading name of Sandal Plc.  
Registered 03206855 in England. Claremont  
House, Deans Court, Bicester, Oxon, OX26 6BW.



## CHARGE<sup>GENIE</sup> FOR ANDROID AND WINDOWS

ENER114

- Provides emergency charge for smartphones
- Easy to connect and remove
- 4 stage battery power indicator
- Output and input charging via microUSB connector
- 2000mAh Lithium Polymer battery
- International use

### Technical Information

- Battery : Lithium Polymer, 2000 mAh
- No. of charging cycles: >1000 power may drop to 80%
- Input charging connector: microUSB
- Input charging voltage: 5V, 900mA
- Output charging connector: microUSB
- Output voltage: 5V, 1A
- Typical Input charging time : 2 hours
- Typical discharging time: 1 hour
- Protection: short circuit, overcharge, and over-discharge





## CHARGE GENIE FOR iOS

ENER115

- Gel Pad Charging for the iPhone 5/S/C and iPhone 6
- 2,800mAh Li-poly battery more than doubles the run time
- Lightning connector incorporated
- Fold out kickstand
- Accurate 4 stage battery meter
- Official "Made for iPhone" product

### Technical Information

- Lithium Polymer Battery Capacity: 2800mAh
- Input Rating: 5V, 1A
- Input Connector: MicroUSB
- Output Rating: 5V, 1A
- Input Connector: Lightning Connector
- Typical Input charging time: 2 hours
- Protection: short circuit, overcharge/discharge



## CHARGE<sup>GENIE</sup> 100 POWER MOUNTAIN

ENER106

- Fully automatic, mains powered recharger for Laptops, Netbooks, Tablets, Smartphones, Mobile phones, MP3 Players, Handheld Games Consoles & other mobile devices

- Provides an extra 1 to 2.5 hours of power, depending on your laptop's specification and over 10 hours on various other electronic devices

- Features a multi-function 3 colour LCD display, USB & DC output ports, auto switch-off & overcharge protection

- Comes with tip packs for laptops, notebooks, netbooks & smartphones

### Technical Information

- Lithium Polymer Battery Capacity: 10,000mAh
- Input Voltage: 9 to 32V
- Output Voltage: 5V 0.7A, 5V 2A, 8.4V 3A, 9.5V 3A, 12V 3A, 16V 2.5A, 19V 2.5A,
- Size: 185x128x19mm
- Unit weight: 400g



## CHARGE<sup>GENIE</sup> 200 POWER MOUNTAIN

ENER107

- Fully automatic, mains powered recharger for Laptops, Netbooks, Tablets, Smartphones, Mobile phones, MP3 Players, Handheld Games Consoles & other mobile devices

- The charger provides an extra 2 to 5 hours of power, depending on your laptop's specification & over 20 hours on various other electronic devices

- Features a multi-function 3 colour LCD display, USB & DC output ports, auto switch-off & overcharge protection

- Comes with tip packs for laptops, notebooks, netbooks & smartphones

### Technical Information

- Lithium Polymer Battery Capacity: 20,000mAh
- Input Voltage: 9 to 32V
- Output Voltage: 5V 0.7A, 5V 2A, 8.4V 3A, 9.5V 3A, 12V 3A, 16V 2.5A, 19V 2.5A, 24V 1.5A
- Size: 185x128x28mm
- Unit weight: 500g





## CHARGE<sup>GENIE</sup> 25<sup>CELLPHONE & MP3</sup>

ENER104

- Rechargeable external battery for your mobile phone, music player, handheld games consoles and other mobile devices
- Push button charging with charge over the USB connection and charge power level indicators
- Short circuit, overcharge, discharge protection
- Comes with USB to MicroUSB cable

### Technical Information

- Lithium Polymer battery capacity: 2500mAh, 3.7V, 9.25Wh
- Input connector: microUSB
- Input charging voltage: 4.6 - 5.5V
- Output charging connector: USB
- Output voltage: 4.75-5.25V
- Max output current: 700mA
- Size: 80x52x15mm
- Unit weight: 70g



## CHARGE<sup>GENIE</sup> 50<sup>COMPACT</sup>

ENER105

- Rechargeable external battery for your mobile phone, music player, games player & other mobile devices
- 3 charging levels for cellphones, tablets, cameras & handheld games consoles
- Push button charging with charge over the USB connection
- Charge and power level indicators
- Short circuit, overcharge, discharge protection
- Comes with USB to MicroUSB cable

### Technical Information

- Lithium Polymer battery capacity: 5000mAh, 3.7V, 18.5Wh
- Input connector: microUSB
- Input voltage: 4.6 - 5.5V
- Output charging connector: USB
- Output voltage selections:
  - 5V 0.6A max.
  - 5V 2.0A max.
  - 9V 0.6A max.
- Size: 118x68x15mm
- Unit weight: 145g



## PORTABLE SOLAR CHARGER & LED TORCH ENER101



- Rechargeable external battery for your mobile phone, music player, handheld games consoles & other mobile devices
- Mini LED Torch: normal -> bright -> flashing -> SOS
- Push button charging with charge and power level indicators
- Charge over the solar panel or USB connection
- Short circuit, overcharge, discharge protection
- Comes with USB to MicroUSB cable

### Technical Information

- Lithium battery capacity: 1200mAh
- Input connector: MicroUSB
- Input: 5V, 800mA
- Output connector: USB
- Output: 5V, 800mA
- Size: 94x43x13mm
- Unit weight: 52g



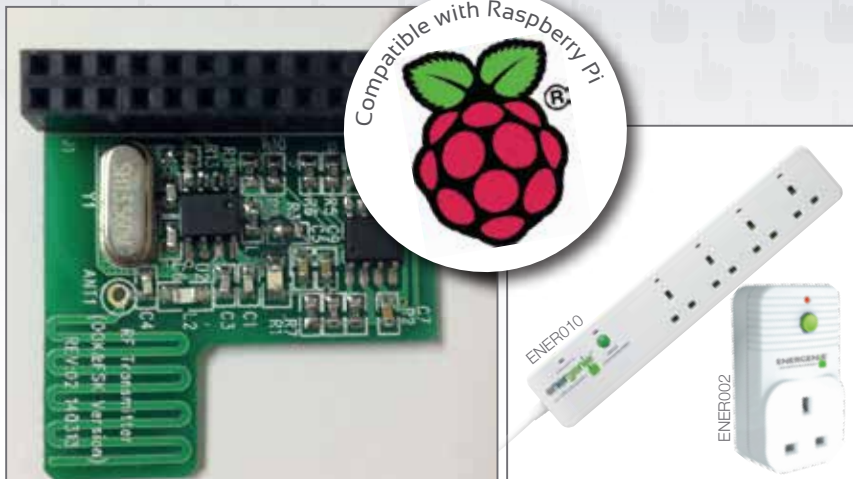
## PORTABLE CHARGER & LED TORCH ENER100

- Rechargeable external battery for your mobile phone, music player, handheld games consoles & other mobile devices
- The 4 Stage LED Torch displays in 4 modes: normal -> bright -> flashing -> SOS
- Push button charging with charge & power level indicators. The unit is charged via the USB connection
- Short circuit, overcharge, discharge protection
- Comes with USB to MicroUSB cable

### Technical Information

- Lithium Ion battery capacity: 2200mAh, 3.7V
- Input connector: microUSB
- Input: 5V, 500mA
- Output connector: USB
- Output: 5V, 500mA
- Size: 129x29x29mm
- Unit weight: 90g





## PI-MOTE CONTROL FOR RF TRANSMITTER

ENER314

- The Radio Frequency transmitter is a simple experimenter add-on board that plugs into Raspberry Pi and allows you to transmit radio frequency signals under software control.
- It uses radio signals in the 433MHz ISIM band available for safe short range low power use. Using simple software which can be written in Python or Scratch for instance, up to 16 different control signals can be sent.
- The unit is compatible with the radio controlled sockets and radio controlled extension lead from Energenie which are widely available.
- Ideal as a simple learning tool for children.
- Short range radio transmitter
- Simple plug-in installation
- Up to 16 individual control commands
- Easy software control
- OOK and FSK selectable
- Experimenter board and ideal learning tool

### Technical Information

- Transmitter Frequency: 433.92Mhz (ISIM band)
- Output power: 3 V / +12 dBm / 27 mA
- Range in open area: Ca. 25 metres
- Encoding: 20 address bits (preset OTP), 4 data bits
- Modulation: OOK/FSK software selectable

### Compatibility:

- Energenie radio controlled sockets ENER002
- Energenie radio controlled extension lead ENER010





## 2-WAY PI-MOTE CONTROL

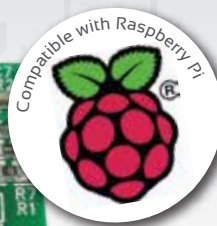
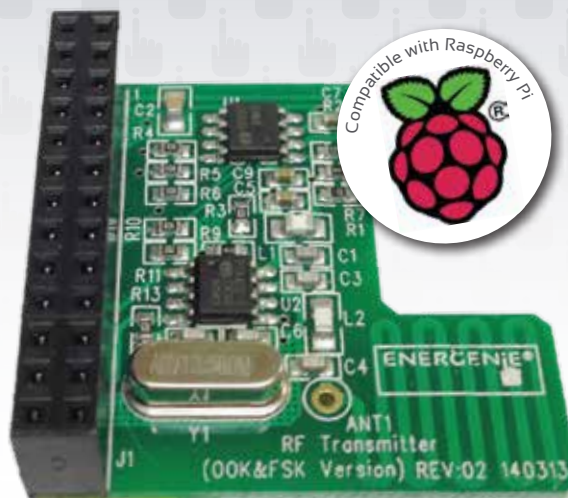
ENER314-RT

• The Radio frequency transmitter is an experiment add-on board that plugs in to Pi. It allows you to transmit and receive radio signals.

• The unit allows for two way communication and therefore data collection from monitoring equipment if sent over 433MHz

### Technical Information

- Simple plug-in radio tx/rx module
- Plug and play using the Raspberry Pi's on board serial UART
- Multi band transmitter capable of FSK, GSK, MSK, GMSK and OOK modulation
- TX & RX activity LED's



## PI-MOTE CONTROL STARTER PACK

ENER002-2PI

- Short range radio transmitter
- 2 x energenie radio sockets
- Simple plug-in installation
- Easy software control
- Experimenter pack and ideal learning tool

### Technical Information

- Transmitter Frequency: 433.92Mhz (ISM band)
- Output power: 3 V / +12 dBm / 27 mA
- Range in open area: Ca. 25 metres
- Encoding: 20 address bits (preset OTP), 4 data bits
- Modulation: OOK/FSK software selectable

### Compatibility:

- Energenie radio controlled sockets ENER002
- Energenie radio controlled extension lead ENER010



## PI-IR TRANSCIVER

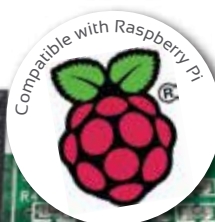
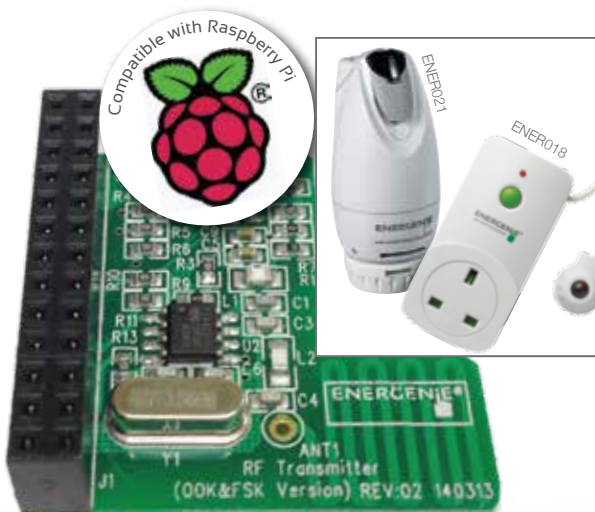
ENER314-IR

• The IR transmitter is a simple experimenter add-on board that plugs into Raspberry Pi and allows you to transmit IR signals under software control. This can be used with our Energenie Radiator valves or just to control your TV.

- Short range Infra Red transmitter
- Simple plug-in installation
- Easy software control
- Experimenter board and ideal learning tool

### Technical Information

- Transmitter supply voltage: 5V (min, 2.5V, max. 5.5V)
- Transmitter supply current: max. 250mA
- Transmitter output wavelength: 940nm, 1x narrow angle IR LED, 1 x wide angle IR LED
- Receiver Features: Low supply current; Photo detector and preamplifier in one package; Internal filter for PCM frequency Shielding against EMI; Immunity against ambient light; Insensitive to supply voltage ripple and noise
- Receiver supply voltage: 3.3V (min 2.7V, max. 5.5V)
- Receiver supply current: Max. 0.5mA
- Receiver carrier frequency: Center frequency 38Khz



## POWERMANAGEMENT<sup>SYSTEM</sup> ENER011/ENER019/ENER024

- 4 individually programmable sockets, 2 unmanaged sockets

• Computer programmable via:  
USB (ENER011)  
LAN (ENER019) or  
WLAN (ENER024) interface

• Switch on and off according to either a timed schedule or based on events or controlled manually from the keyboard. The unit can be pre-programmed and then disconnected from the managing computer to use elsewhere

### Technical Information

- Voltage: 240V AC 50Hz
- No. of sockets: 4 managed, 2 unmanaged
- Max. socket load: 13A, 3kW
- Max. unit load: 13A, 3kW
- Surge protection: L-N, L-E, N-E, 375 joules
- Unit standby consumption: max 2.5W
- Ports: USB 1.1 or 2.0, (350mA)
- Compatibility: Windows 2000, XP, Vista, & Windows 7

NEMA 5-15



CEE7-16



BS1363



AUSNZS3112



ENER011



## WIFISOCKET

ENER026

• Control and monitor an appliance via a WiFi connection using either the Energenie App, a PC or by its programmable internal timers

• Turn on and off your single sockets

• Program your appliances to switch on and off by date and time

• Group appliances to turn on and off together

• Monitor the power consumption and cost of each appliance in real time

• Monitor your cumulative power usage and identify the worst offenders

### Technical Information

- Voltage: 240/120 V AC
- Current: Switches up to 15A (1800W)
- Outlet Control: Power On/Off over Internet (takes 1-2 mins); 2 delay timers (Turn On/Off at specified time); 2 daily timers (On/Off on selected days of week)
- Power: Measures approximate power consumption in 5W intervals from 20-1800W
- Wi-Fi: IEEE802.11b (g/n compatible); WEP, WPA and WPA2 security support; Wi-Fi Certified

NEMA 5-15



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## REMOTE GSM CONTROLLED POWER SOCKET

ENER022

- Switch the socket on and off using SMS messaging from your mobile phone using any PAYG or contract sim card

- Supplied with plug-in temperature sensor for automatic operation by preset upper / lower temperature thresholds

- Automatic control using built-in daily / weekly clock

### Technical Information

- Voltage: 100-250V AC 50Hz
- Output: maximum 16A
- Manufactured to BS5733
- Automatic time and date synchronisation
- Supplied with built-in BS1363 plug/socket
- 7/2 Hybrid Schuko version available

NEMA 5-15



CEE7-16



BS1363



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## APPLIANCE POWER METER

ENER007

- Measure the energy use and costs of running your household appliances

- Lower your energy bill and reduce carbon emissions

- Discover which appliances are the worst energy offenders and then work out ways to limit their use

### Technical Information

- Voltage: 240V AC 50Hz
- Maximum current: 13A
- Maximum load: 3120W
- Typical power consumption: <0.5W
- Internal rechargeable, non-replaceable battery

NEMA 5-15



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## DUAL USB CHARGER WITH MAINS PASS THROUGH

ENER028

- Two USB charger outputs ideal for use with iPhone, iPad, iPod, MP3's, Mobile phones, PDA's and Digital Cameras

- Charge two devices at once while supplying mains power to another

- 13amp mains pass-through socket for convenience

### Technical Information

- Voltage: 250V AC 50Hz
- Maximum current: 13A
- Maximum load: 3kW
- USB Output Voltage: 5V DC
- USB Output Current: 3.1 Amp max. in total
- 1 mains pass-through socket
- 2 USB socket

NEMA 5-15



CEE7-16



BS1363



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## PC **AUTOMATIC** POWER SHUTDOWN (5 GANG)

ENER008

- Reduce the energy wasted by appliances left in standby
- Automatically cuts power to your equipment when a programmable threshold is recognised
- Suitable for computers and peripherals
- Power on via push button

### Technical Information

- 4 sockets with automatic powerdown
- 1 permanently on socket
- Programmable power down threshold
- 1m mains cable
- 1.2m restart lead length
- Voltage: 240V AC 50Hz
- Standby power consumption: <0.5W

NEMA 5-15

CEE7-16

BS1363

AUSNZS3112



Power on  
push button



## AV **AUTOMATIC** POWER SHUTDOWN (5 GANG)

ENER009

- Reduce the energy wasted by appliances left in standby
- Automatically cuts power to your equipment when a programmable threshold is recognised
- Suitable for audio visual systems
- Power on via any infra-red remote control

### Technical Information

- 4 sockets with automatic power down
- 1 permanently on socket
- Programmable power down threshold
- Infra-red restart
- 1m mains cable
- 1.2m infra-red sensor lead length
- Voltage: 240V AC 50Hz
- Maximum load: 3kW, 13A
- Standby power consumption: <0.5W

NEMA 5-15

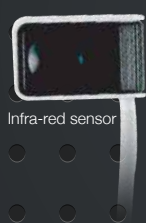
CEE7-16

BS1363

AUSNZS3112



Infra-red sensor



## REMOTE **INFRA-RED** CONTROLLED SOCKET

ENER018

- Remotely control appliances using a standard domestic infra-red remote control
- Simple-to-use and suitable for those with restricted movement
- Use with TVs, lamps, Hi-Fi, fans and many other appliances

### Technical Information

- 1.8m infra-red sensor lead length
- Voltage: 240V AC 50Hz
- Maximum load: 3kW, 13A
- Standby power consumption: <0.5W
- Manual set-up
- Manual on/off
- Indicator lamp

NEMA 5-15

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Infra-red sensor







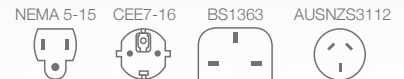
## MASTERSLAVE

ENER017

- 6 socket Master Slave extension lead
- One always on socket for appliances that need to remain on
- 1 Master socket that controls the 4 Slave sockets, will power down or up depending on the action of the Master Appliance
- Suitable for both PC and AV equipment

### Technical Information

- 1 always on socket
- 1 always on master socket
- 4 slave sockets with automatic enable/disable
- 2m mains cable
- Voltage: 240V ac 50Hz
- Maximum current: 13A
- Maximum load: 3kW
- Standby power consumption: <0.3W
- Surge Protected



## RADIOCONTROLLED EXTENSION LEAD (4 GANG) ENER010

- 4-socket radio remote controlled extension lead
- Each socket individually controllable via the radio remote control
- Sockets may be switched on or off simultaneously
- Ideal for controlling appliances in inaccessible places and suitable for those with restricted movement
- The remote control does not require direct line-of-sight to operate. It will work even when the socket is hidden behind furniture or in an adjacent room
- Can be controlled by 2 separate remotes

### Technical Information

- Sockets: 4
- On/off indicator light
- On/off and learning button
- Cable length: 1.5 metres
- Voltage: 240V AC 50Hz
- Maximum load: 3kW, 13A
- Standby power consumption: <0.5W
- Total max. spike current: 18000A
- Max. spike voltage: 775V
- Response time: 8-20s
- Surge protection enabled indicator



## REMOTECONTROLLED SOCKET

ENER002 / ENER002-C

- Reduce the energy wasted by appliances left in standby
- Ideal for controlling appliances in inaccessible places and suitable for those with restricted movement
- The remote control does not require direct line-of-sight to operate. It will work even when the socket is hidden behind furniture or in an adjacent room
- One remote controls up to 4 sockets
- Can be controlled by 2 separate remotes

### Technical Information

- Voltage: 220-250V AC 50Hz
- Maximum current: 13A
- Maximum load: 3kW
- Radio frequency: 433.92MHz
- Range: 30m in open area
- Standby power consumption: <0.3W
- On/off indicator lamp
- On/off button
- Battery: replaceable 3V CR2032



ENER002-C

ENER002



## 30MINUTERUNDOWN TIME PLUG

ENER001

- The Rundown Timer will safely switch off the power to your appliance after 30 minutes

- Ideally suited for hair straighteners, irons, curling tongs and electric blankets

### Technical Information

- Voltage: 220-250V AC 50Hz
- Maximum load: 13A, 3kW
- Manual reset button and indicator lamp
- Timeout period: 30 minutes
- On/off indicator lamp
- On/off button

NEMA 5-15



CEE7-16



BS1363



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## VARIABLETIMER PLUG

ENER001-V

- Rundown/Runup Timer Socket with variable time period

- The time period can be preset by the user to different time periods: 30 mins, 1 hour, 3 hours and 8 hours

- Ideally suited for hair straighteners, irons, curling tongs and electric blankets

### Technical Information

- Time Period: 30mins, 1hours, 3hours, 8hours
- Voltage: 220 - 250V AC 50Hz
- Maximum load: 13A, 3kW
- Manual reset button and indicator lamp
- Standby Power: <0.5W
- On/off indicator lamp
- On/off button

NEMA 5-15



CEE7-16



BS1363



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## LEDNIGHT EMERGENCY NIGHTLIGHT

ENER260

- Motion sensor activated plug-in nightlight

- Dusk till dawn operation

- Handy grab-and-go rechargeable LED torch

- Switches on automatically when power fails

- Manual on/off torch switch

### Technical Information

- Input Rating: 230V, 0.06A, 2W Max., 50HZ
- 15LED on the front and 5LED on the top
- Output Rating: 15LED- 1W and 5LED- 0.35W
- Lumen output: 15LED-22lm; 5LED-32lm
- Battery: 250mAh, Li-ion; 15LED last >1h and 5LED last >3h
- Battery Charging time: 8 hours
- Sensor distance: 3m
- Sensor degree: 60°
- On time when triggered: 20s
- Size: 178x80x56mm





ENER0021



ENER0021-C

## SMARTRADIATORVALVE

ENER0021 / ENER0021-C

- Remote control, programmable radiator valve
- Provides potential for 25% energy saving
- Three daily programmes each day to maximise savings
- Precise thermostat reacts quickly, improving comfort
- Simple installation to existing or new heating system
- An automatic weekly valve maintenance cycle ensures your radiator valve does not become seized

### Technical Information

- Controller type: programmable
- Push button: lockable
- Set point range: 10°C to 24°C
- Frost protection set point: 10°C (default)
- Storage temperature: -20°C to +60°C
- Operating temperature: +5°C to +40°C
- Max circulation temperature: 90°C
- Zone type: maintained or intermittent
- Power supply: 2 x 1.5V LR6 - AA Alkaline Batteries (included)
- Back-up memory: yes
- Dimensions (HxWxD): 110mmx45mmx45mm
- Valve adapter rings: 28mm or 30mm (included)

### Handset Technical Information

- Humidity: 0 to 90% RH
- Range: up to 7m
- Power supply: 1x3V CR2025 battery (included)
- Dimensions (HxWxD): 115mm x 58mm x 8mm



## ROUND EXTENSION LEAD (6 WAY)

ENER006

- A unique 6 socket extension lead with mains cable tidy and appliance cable tidy
- Wide socket spaces for use with appliances that have bulky transformers
- 3-way surge protection across live, neutral and earth, suitable for protecting PCs, Hi-Fi and audio visual systems
- Ideal for office environment – desk leg can fit through centre hole

### Technical Information

- Cable length: 2 metre
- Max load: 3kW, 13A
- Surge protection: L-N, L-E, N-E
- Maximum total energy dissipation: 525J
- Energy dissipation L-N, L-E, N-E: each 175J
- Total max. spike current: 18000A
- Max. spike current for L-N, L-E, N-E: each 6000A
- Max. spike voltage: 775V
- Response time: 8-20s

NEMA 5-15 CEE7-16 BS1363 AUSNZS3112





CONTACT US TODAY  
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